REMARKS

This application has been carefully reviewed in light of the Office Action dated October 31, 2003. Claims 1 to 14 are now pending in the application, with Claim 14 having been added, and Claims 1 to 5, 7 to 11 and 13 having been amended. Claims 1, 7, 13 and 14 are the independent claims herein. Reconsideration and further examination are respectfully requested.

The title was objected to as allegedly being non-descriptive. A new title has been provided for as recited above. Withdrawal of the objection to the title is respectfully requested.

Claims 1 to 13 have been rejected under 35 U.S.C. § 103(a) over U.S. Patent No. 6,112,224 (Peifer). Reconsideration and withdrawal of the rejection are respectfully requested.

The present invention concerns acquisition and display of data of a measurement target, such as a solar battery. According to the invention, the data of the measurement target is acquired by independently executing a computer program for the data acquisition, and display information is generated to be displayed by independently executing a computer program for the display information generation, on the basis of the acquired data, with the acquisition and the display processes exchanging data by interprocess communication. As a result, since the acquisition and display processes are performed independently of one another, if an error occurs in, for example, the display process, the data can continue to be acquired by the acquisition process. Thus, the acquired data can later be displayed by the display process, even though an error in the display process may have occurred.

With specific reference to the claims, amended independent Claim 1 is an information processing apparatus for accumulating data of a measurement target, the apparatus comprising an acquisition section, arranged to acquire the data by independently executing a computer program for data acquisition, and a display section arranged to generate information to be displayed by independently executing a computer program for display information generation, on the basis of the acquired data, wherein the acquisition section and the display section exchange data by interprocess communication.

Amended independent Claims 7 and 13 are method and computer medium claims, respectively, that substantially correspond to Claim 1.

Newly-added independent Claim 14 includes features along the lines of Claim 1, but also includes additional features. Thus, Claim 14 is an information processing apparatus for accumulating data of a measurement target, the apparatus comprising an acquisition section, arranged to acquire the data by independently executing a computer program for data acquisition, a display section, arranged to generate information to be displayed by independently executing a computer program for display information generation on the basis of the acquired data supplied to the display section by the acquiring section by interprocess communication, a recording section, arranged to record the data obtained by the interprocess communication on a recording medium, by independently executing a computer program for data recording, a communication section, arranged to transfer data obtained by the interprocess communication to another information processing apparatus connected to a network by independently executing a computer program for data transfer, and a management section, arranged to control operations of the acquisition and display sections in accordance with priorities of the

acquisition and display sections, by independently executing a computer program for operation control, wherein all of the computer programs of the acquisition, display, communication, and management sections are provided as an integrated computer program which integrates the independent computer programs.

The applied art is not seen to disclose or to suggest the features of Claims 1, 7, 13 and 14. More particularly, the applied art is not seen to disclose or to suggest at least the feature of acquiring data by independently executing a computer program for data acquisition; and generating information to be displayed by independently executing a computer program for display information generation, on the basis of the acquired data, wherein the acquiring and the generating processes exchange data by interprocess communication.

Peifer is merely seen to disclose a telemedicine system for providing patient information to a doctor . The telemedicine software can be used to send data to one or more medical devices, and each medical device includes the ability to send data to the telemedicine software. When a medical device has data to send, it sends the data to a device interface that invokes an interrupt, whereby a control unit informs the telemedicine software that data is available and the software obtains the data. However, Applicants fail to see where a data acquisition process and a display process are performed independently by any of the medical devices. Accordingly, Peifer is not seen to disclose or to suggest at least the feature of acquiring data by independently executing a computer program for data acquisition; and generating information to be displayed by independently executing a computer program for display information generation, on the basis of the acquired data, wherein the acquiring and the generating processes exchange data by interprocess

communication. Accordingly, Claims 1, 7, 13 and 14, as well as the claims dependent

therefrom, are believed to be allowable over Peifer.

No other matters having been raised, the entire application is believed to be

in condition for allowance and such action is respectfully requested at the Examiner's

earliest convenience.

Applicants' undersigned attorney may be reached in our Costa Mesa,

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Respectfully submitted,

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